

PHYSICAL PROPERTIES OF LOCAL
NETTING TWINE (DRY STATE)


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PHYSICAL PROPERTIES OF LOCAL
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Approval Sheet

by

MUHAMAD HATTA HAJI MAHMUD

A Project Report submitted in partial fulfillment of
the requirement for the Degree of Bachelor of Science
(Fisheries).

FACULTY OF FISHERIES AND MARINE SCIENCE

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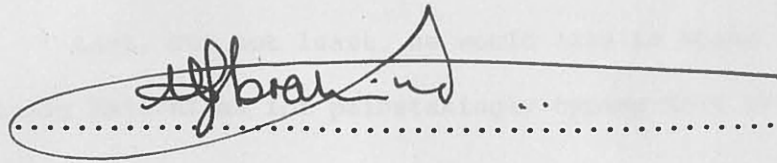
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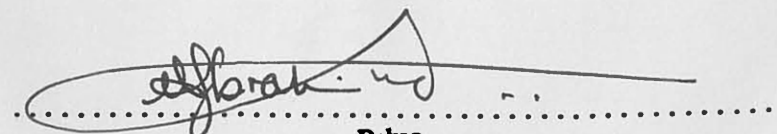
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This project report attached hereto, entitled
'Physical Properties Of Local Netting Twine (Dry State)'
prepared and submitted by Muhamad Hatta Bin Haji Mahmud
in partial fulfillment of the requirement for the Degree
of Bachelor of Fisheries is hereby accepted.



(Assoc. Prof. Captain Mohd. Ibrahim Haji Mohamed)

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Date: 1/4/83

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ABSTRACT

Many new materials have recently been introduced into our commercial fishing gear but very little has been published to date on the properties of these materials. Because of the unavailability of pertinent, reliable and comparable data, the author have attempted to test their physical properties, and the results thereof are presented herewith.

The materials tested were Polymide continuous filament (Nylon), Polyethylene monofilament and Saran-Nylon continuous filament which are currently the most important and widely used in our fishing industry. The properties tested which are physical in nature includes diameter, dry weight, amount of twist, tenacity, tensile strength, breaking strength, breaking length, knot strength, extension at break, and elongation at half knot breaking load. The test procedures followed are in accordance with the Malaysian Standard which are technically identical to the ISO Recommendation. They were described in detail.

Results were presented in tabular form and figures showing graphs and histograms were drawn to show the relationship between two distinct properties. Important properties were discussed at length. A summary of the properties and the suitability of the netting twines for fishing gears was also included as a conclusion.